

Certified Solidworks Associate (CSWA)-Academic

Aligned Programs of Study: STEM, Engineering, Technology

Aligned Courses:

- STEM III: STEM in Context (6146)
- Engineering Design II (6140)
- Robotics & Automated Systems (6143)

Description

The CSWA Academic certification is intended for students with a minimum of six to nine months of Solidworks experience and basic knowledge of engineering fundamentals and practices. Solidworks recommends that applicants review the online tutorials on Parts, Assemblies, and Drawings as a prerequisite, and have at least 45 hours of classroom time learning Solidworks or using Solidworks with basic engineering design principles and practices. Currently, Solidworks is the most widely used CAD software in the world. Solidworks allows designers to produce 3D rendering of their designs. Depending on the needs of the designer and company, Solidworks can also be used to design electrical circuits or pipe placements. The most unique aspect of Solidworks is that it provides animation capability, so the student can see the design as it would operate in real-world situations. With Solidworks Certification, students will demonstrate their expertise with Solidworks 3D solid modeling, design concepts, and sustainable design and their commitment to professional development. Solidworks Education Program offers the following certification:

- **CSWA - Academic**

Certified SOLIDWORKS Associate - Academic (CSWA - Academic) certification is intended for students with a minimum of six to nine months of SOLIDWORKS experience and basic knowledge of engineering and fundamentals and practices.

Materials and Resources

Addition materials and resources can be found at this website:

<https://www.solidworks.com/sw/products/3d-cad/academia.htm>.

Testing Sites

The typical fee is \$99.00. However, students may take these exams for free if their school is a Solidworks Academic Certification Provider and on subscription. Minimum license requirements apply and vary per region. To become a Solidworks Academic Certification Provider click [here](#).

As a Solidworks Academic Certification Provider, the school must agree to offer the CSWA-Academic Exam in a proctored environment. Students that pass the CSWA-Academic Exam receive an electronic certificate listing their certification ID and educational institution name. The certification ID can be verified by schools and employers.



Department of
Education

Required Instructor Qualifications

The school will need to pass the qualifications to be a Solidworks Academic Certification Provider.

Test Owner and Registration

Dassault Systèmes

SolidWorks Corporation

175 Wyman Street

Waltham, MA 02451

Phone: (800) 693-9000

Registration Procedures

Your school must be a Solidworks Academic Certification Provider in order to administer the tests.

Exam Codes	CSWA
Website	https://www.solidworks.com/sw/education/cad-certification-student-program.htm
Number of Questions	Basic Theory and Drawing Theory (2 questions, 10 points total) Part Modeling (1 question, 30 points) Assembly Modeling (1 question, 30 points) Advanced Part Modeling and Analysis (1 question, 20 points) Advanced Part Modeling and Analysis (1 question, 20 points)
Type of Questions	Performance-based
Length of Test	3 hours
Passing Score	70%
Recommended Experience	6-9 months of Solidworks experience
Languages	English, French, German, Italian, Korean, Spanish, Chinese S, Chinese T, Japanese, and Brazilian Portuguese.
Price	\$99.00 *** Students may take these exams for free, if their school is a SOLIDWORKS Academic Certification Provider and on subscription. Minimum license requirements apply and vary per region. To become a SOLIDWORKS Academic Certification Provider click here .